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application to a check point manager in a module. A request for an execution of a snapshot output to components such as the application and a device driver is outputted to the manager. A sequence at this time is based on a sequence recorded in a status-storing database and represents a dependence relation between the components. When each component receives the request for the snapshot output, a function existing in a particular address for each component is read and the component status is outputted as a snapshot file through the manager to a non-volatile memory.

IN THE CLAIMS

Please amend claims 1-3, 5-7 and 9-10 by rewriting same to read as follows:

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- 1. (Amended) A data processing apparatus having a central processing unit and a memory, said apparatus comprising:

a driver for controlling operations of writing to and reading from a recording medium, wherein

when a status-storing process is requested by a component a dependency relationship of said component and stored data is stored as a snapshot file in said recording medium; and

when a status-recovering process is requested a status of said component is recovered based on said snapshot file stored in said recording medium.

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--2. (Amended) The data processing apparatus according to claim 1, wherein said snapshot file includes a tag having one of a name and an identification of said component.

--3. (Amended) The data processing apparatus according to claim 1, wherein said status-storing process and said status-recovering process call a function existing in an address for said component.

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--5. (Amended) A data processing method including a central processing unit and a memory, said method comprising the steps of:

controlling writing to and reading from a recording medium, said controlling performed by a driver;

storing a dependency relation of said component and stored data as a snapshot file in said recording medium when a status-storing process is requested by a component;
and

recovering a status of said component based on said snapshot file stored in said recording medium when a status-recovering process is requested.

--6. (Amended) The data processing method according to claim 5, wherein said snapshot file includes a tag having one of a name and an identification of said component.

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--7. (Amended) The data processing method according to claim 5, wherein said status-storing processing and said status-recovering process call a function existing in an address for said component.

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--9. (Amended) A computer program, comprising the steps of:

controlling writing to and reading from a recording medium, said controlling performed by a driver;

storing a dependency relation of a component and stored data as a snapshot file in said recording medium when a status-storing process is requested by said component; and

recovering a status of said component based on said snapshot file stored in said recording medium when a status-recovering process is requested.

--10. (Amended) A storage medium for storing a software program in a computer-readable form, wherein said software program contains computer software describing a data processing method for execution on a computer system and is stored physically in said computer-readable form; and said data processing method is applied to an apparatus including a central processing unit and a memory, said software program